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Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 84

C	omplete if Kn. wn	`
Application Number	10/068,364	
Filing Date	February 08,2002	
First Named Inventor	Ringeisen	
Group Art Unit	1762	
Examiner Name	unknown	
Attorney Docket Number	NC 82 621	

				U.S. PATENT DOCU	MENTS		1
Examiner Initials	Cite No.1	U.S. Patent Number	Kind Code ² (it known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear	
EF	A	3,745,586		Braudy	07/10/1973		
1	В	3,978,247		Braudy et al.	08/31/1976		
	С	4,064,205		Landsman	12/20/1977	700	
	ת	4,245,003		Oransky et al.	01/13/1981	Q6 37	\`C
	E	4,702,958		Itoh et al.	10/27/1987	10.	070
	¥	4,752,455		Mayer	06/21/1998	D. CA	10
	G	4,895,735		Cook	01/23/1990		Ъ. °
$\neg \neg$	Ĥ	4,970,196		Kim et al.	11/13/1990	A. Ca	
T	T	4,987,006		Williams et al.	01/22/1991	70	00
I	J	5,156,938		Foley et al.	10/20/1992		•
	К	5,171,650		Ellis et al.	12/15/1992]
	ī.	5,173,441		Yu et al.	12/22/1992	7. 02	
	М	5,256,506		Ellis et al.	10/26/1993		
	N	5,292,559		Joyce, Jr. et al.	03/08/1994	00	I
	0	5,492,861		Opower	02/20/1996		}
	Ρ	5,567,336		Tatah	10/22/1996		•
	0	5,725,706		Thoma et al.	03/10/1998		}
	Ř	5,725,914		Opower	03/10/1998		1
	S	5,736,464		Opower	04/07/1998		l
ER	т	6,025,036		McGill et al.	02/15/2000		

	FOREIGN PATENT DOCUMENTS									
Examinar	Cite		Foreign Patent Do		Name of Palantee of	Date of Publication of	Pages, Columns, Lines. Where Relevant	T - I		
Initials	No.1	Office	Number ⁴	Kind Code ^a (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T		
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¹ Unique citation designation number. ² See attached Kinds of U.S. Petent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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С	mplete if Known
Application Number	10/068,364
Filing Date	February 08,2002
First Named Inventor	Ringeisen
Group Art Unit	1762
Examiner Name	unknown
Attorney Docket Number	NC 82,621

1	U.S. PATENT DOCUMENTS										
Examiner Initials	Cite No.1	Mumber .	cument and Code ³	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Peges, Columns, Unes, Where Relevant Passages or Relevant Figures Appear					
E8	V	6,177,151		Chrisey et al.	01/23/2001						
EF		6,056,907		Everett et al.	05/02/2000						
æ		5,308,737		Bills et al.	05/03/1994	7 P 1					
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	FOREIGN PATENT DOCUMENTS								
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Examiner Initials	Cite No.1	Office ³	Number ⁴	Kind Code ^s (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T'	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of M

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Application Number	10/068,364	_		
Filing Date	February 08, 2002	_		
First Named Inventor	Ringeisen	_		
Group Art Unit	1762	_		
Examiner Name	unknown	_		
Attorney Docket Number	82,621	_		

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	Exam Initials		Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ltem (book, magazine, journal, serial, symposium, catalog, etc.), dete, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	E	E	Y	Tolbert et al, "Laser Ablation Transfer Imaging Using Picosecond Optical Pulses: Ultra-High Speed, Lower Threshold and High Resolution" Journal of Imaging Science and Technology, Vol. 37 No. 5 Sept./Oct. 1993 pp. 485-489	
			z	Adrian et al, "A Study of the Mechanism of Metal Deposition by the Laser-Induced Forward Transfer Process" J. Vac. Sci. Tecchnol. B5 (5), Sept./Oct. 1987 pp. 1490-1494	
			AA	Bohandy et al, "Metal Deposition from a Supported Metal Film Using an Excimer Laser, J. Appl. Phys. 60 (4) 15 August 1986 pp. 1538-1539	
111,	ם מפ	1	BR	von Gutfeld, R., Enhancing Ribbon Transfer Using Laser Printing, IBM Technical Disclosure Bulletin, Vol. 17, No. 6, Nov., 1974	
	CEIV		CC	McGill, et al., " Choosing Polymer Coatings for Chemical Sensors", CHEMTECH Journal, American Chemical Society, Vol. 24, No. 9, Sept. 1994 pp. 27-37	
	RECEIVED		DD	Ringeisen et al, "Generation of Mesoscopic Pattems of Viable Escherichia Coli by Ambient Laser Transfer", Biomaterials, Vol 23, 2002 pp. 161-166	
		I	EE	Wu et al, " The Deposition, Structure, Pattern Deposition, and Activity of Biomaterial Thin-Films by Matrix-Assisted Pulsed-Laser Evaporation (MAPLE) and MAPLE Direct Write", Thin Solid Films, Vol. 398-399, 2002 pp. 607-614	
			FF	Chrisey et al, "Matrix Assisted Pulsed Laser Evaporation Direct Write", Divisional Application, 09/671,166, Filed Sept. 28, 2000, pp. 1-12	
			GG	Ringeisen et al, "Generation of Viable Cell and Active Biomaterial Patterns By Laser Transfer", Provisional Application, 60/269,384 Filed Feb. 20, 2001, pp. 1-54	
				Ringeisen et al, "Generation of Viable Cell and Active Biomaterial Patterns By Laser Transfer", Non-Provisional Application, 10/068,315 Filed Feb. 08, 2002 pp.1-37	
	F1				

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1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

PCT/US94/11345, Filed Oct. 06, 1994, pp. 1-22

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Meneghini et al, "Transfer Printing Medium", PCT International Application,

"EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in confo

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10/068,364 **Application Number** INFORMATION DISCLOSURE February 08, 2002 Filing Date STATEMENT BY APPLICANT Ringeisen First Named Inventor 1762 Group Art Unit (use as many sheets as necessary) Examiner Name unknown Sheet of 4 Attorney Docket Number 82,621

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-tissue number(s), publisher, city and/or country where published.	Ī
EF	IJ	Young et al, "Jetting Behavior in the Laser Forward Transfer of Rheological Fluids", Provisional Application, 60/327,733 Filed Oct 10, 2001, pp. 1-46	
EF	KK	Auyeung et al, "Laser Forward Transfer of Rheological Systems", Provisional Application, 60/290,400 Filed May 05, 2001, 1-17	
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Considered

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Eectronic Version v18
Stylesheet Version v18.0

Title of Invention

Generation of Biomaterial Microarrays by Laser Transfer

Application Number:

10/068364

Confirmation Number:

6047

First Named Applicant:

Bradley Ringeisen

Attorney Docket Number: 82,621

Art Unit:

1762

Search string:

(6159832 or 5743560 or 6495195).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
EF	1	6159832	2000-12-12	Mayer			
EF	2	5743560	1998-04-28	Ross			
EF	3	6495195	2002-12-17	Baer			

Signature

Examiner Name	Date			
Stall	7/14/04			

Electronic Information Disclosure Statement

Generation of Biomaterial Microarrays

by Laser Transfer

Application:

10/068364

Confirmation:

6047

Applicant(s):

Bradley Ringeisen

Docket Number:

82,621

Group Art Unit:

Examiner:

search string:

(5582752).pn.

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US Patent Documents

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init Cit	tation D.	Patent Number	Date	Bar Code	Patentee	Class Subclass
& PO	1	5582752	1996-12-10		Zair	

Signature

Examiner Name	Date
9 Tut	1/14/04

APP ID=10068364

Page 1 of 1

Electronic Information Disclosure Statement

Generation of biomaterial microarays by laser transfer

Application:

Confirmation:

6047

Applicant(s):

Bradley Rinseisen

Docket Number:

82,621

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Group Art Unit:

Examiner:

search string:

(6040139 or 6165170).pn.

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((init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class Subclass
Ø	P01	6040139	2000-03-21		Bova	
ec	P02	6165170	2000-12-26		Wynne	

Remarks

(Remarks are not for responding to an office action.)

Prepared by: Joseph T Grunkemeyer Reg. No. 46,746 Phone (202) 404-1556

Signature

Examiner Name	Date
Itall	7/14/04